



**SHERWIN
WILLIAMS.**

Chemical Coatings

CC-F31

SHER-WOOD® Penetrating Oil

Clear V82V50

| <u>DESCRIPTION</u> | <u>CHARACTERISTICS</u> | <u>SPECIFICATIONS</u> |
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| <p>SHER-WOOD® Penetrating Oil is designed as a penetrating oil finish and as a mixing vehicle to make stains and glazes.</p> <p>Advantages:</p> <ul style="list-style-type: none"> • Meets the Federal HAPS rule for wood finishes as packaged* • Excellent penetration and grain definition • Excellent wiping and handling characteristics • Same quality as solvent Sher-Wood Wiping Stains S64 series • Compatibility as a stain quality with all Sher-Wood finishing systems • Free of lead and chromate hazards <p>*National Standards for Hazardous Air Pollutants (HAPS) Emissions for Wood Furniture Manufacturing Operations CFR40, Part 63, Subpart JJ</p> | <p>Gloss: Full</p> <p>Volume Solids: 49 ± 1%</p> <p>Viscosity: 23-34 seconds #2 Zahn Cup 20-30 seconds #4 Ford Cup</p> <p>Spreading Rate (no application loss) 790 sq ft/gal @ 1 mil DFT</p> <p>Drying (77°F, 50% RH): as a Penetrating Oil: To Touch: 60 minutes To Handle: 4 hours To Recoat: 4 hours Force Dry: 60 minutes at 140°F</p> <p>as a Wiping Stain or Glaze: Working time: Wipe within 15 minutes or before stain flashes off To Recoat: 30 minutes after wiping Force Dry: 5-15 minutes at 120°F after wiping</p> <p>Flash Point: 105°F PMCC</p> <p>Package Life: 3 years, unopened</p> <p>Air Quality Data: Non-photochemically reactive Volatile Organic Compounds (VOC) as packaged, maximum 3.27 lb/gal, 392 g/L Hazardous Air Pollutants (HAPS) as packaged, No reportable HAPS</p> <p>An Environmental Data Sheet is available from your local Sherwin-Williams facility.</p> | <p>Wood (interior only): Must be clean, dry, and finish sanded. Substrate should be free of grease, oil, dirt, fingerprints, and any contamination to ensure optimum adhesion and coating performance properties.</p> <p>Moisture content of wood should be 6 to 8%.</p> <p>Testing: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for adhesion and compatibility prior to full scale application.</p> |

APPLICATION

Stains:

V82V50 is the same quality and uses the same resin as the solvent-based Sher-Wood Wiping Stain and Wiping Stain Concentrates, and is totally compatible with them. Adding V82V50 will increase resin content and change handling, penetration, grain definition, etc.

Mineral Spirits is the normal reducer, but other solvents or solvent blends may be used to fit line conditions.

Wiping Stain Concentrate or other alkyd colorant concentrates may be added to make stains.

For natural color woods, grain definition can be enhanced without adding color, by applying a penetrating stain solution of:

- 1 part V82V50
- 1 part Mineral Spirits
- 1 part VM&P Naphtha

Apply and wipe in the same manner as a wiping stain.

Glazes:

Solvent based glazes can be made by blending V82V50 with Wiping Stain Concentrates. A typical formula is 6 parts V82V50 to 4 parts Stain Concentrate. Reduce with mineral spirits as needed for your glazing technique.

Penetrating Oil:

Penetrating Oil solutions can be made as follows:

- 100 parts V82V50
- 5 parts Wiping Stain Concentrate
- 100-200 parts VM&P Naphtha

Apply by spray, dip, or brush and wipe off excess. Allow 4 hours air drying or force dry 1 hour at 140°F. For a close to the wood "oil finish", topcoating with Sher-Wood Super KemVar "C" Catalyzed Vinyl Coating is recommended.

Cleanup:

Clean tools/equipment immediately after use with Mineral Spirits.

Follow manufacturer's safety recommendations when using any solvent.

SPECIFICATIONS

Product Limitations:

- To maintain HAPS compliance, only reduce with HAPS complying reducers.

CAUTIONS

Thoroughly review product label for safety and cautions prior to using this product. A Material Safety Data Sheet is available from your local Sherwin-Williams facility.

Please direct any questions or comments to your local Sherwin-Williams facility.

LABEL CAUTIONS

SEE CONTENTS STATEMENT ELSEWHERE ON LABEL.

Contents are COMBUSTIBLE. Keep away from heat and open flame.

VAPOR HARMFUL. Use only with adequate ventilation. Wear an appropriate properly fitted vapor/particulate respirator (NIOSH approved) during and after application, unless air monitoring demonstrates vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

FIRST AID: If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet. If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing. Launder before re-use. If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention. If SWALLOWED: Call Poison Control Center, hospital emergency room, or physician immediately.

SPILL AND WASTE: Remove all sources of ignition. Ventilate and remove with inert absorbent. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.

Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

WARNING: This product contains chemicals known to the State of California to cause birth defects or other reproductive harm.

DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

SEE MATERIAL SAFETY DATA SHEET. 25024-101303.

Note: Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, The Sherwin-Williams company cannot make any warranties as to the end result.